

ABSTRACT

A wireless communication system wherein wireless infrastructure adapts access parameters and manages channel resources based on detailed reconnection information obtained from individual mobile stations. Mobile stations transmit particular reconnection attempt status information to the wireless infrastructure. The reconnection attempt status information, along with the aggregate statistics of other mobile stations, is used by the infrastructure to adapt access parameters to increase or decrease the likelihood of successful access. This allows the infrastructure to tune access parameters to particular mobile station information and it also allows the infrastructure to provide better resource management for both traffic channel assignments and access channel usage.

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